

DR-45. SYNTHESIS CHARACTERIZATION ANTIMICROBIAL ACTIVITY OF AZETIDINONE AND THIAZOLIDINONE DERIVATIVES

P. S. Sankar¹, K. Divya¹, G. Dinneswara Reddy², V. Padmavathi¹, G. V. Zyryanov^{3,4}

¹Department of Chemistry, Sri Venkateswara University, Tirupati, Andhra Pradesh, 517502, India

²Department of Chemistry, Sogang University, 35 Baekbeom-ro, Seoul, 04107, South Korea

³Ural Federal University of the first President of Russia B. N. Yeltsin,
Mira St., 19, Yekaterinburg, 620002, Russia

⁴I. Ya. Postovsky Institute of Organic Synthesis UB RAS,
S. Kovalevskoy/Akademicheskaya St., 20/22, Yekaterinburg, 620990, Russia

E-mail: vkpuram2001@yahoo.com

A new class of indolylazolyl thiazolidinones and azetidinones were synthesized from indolylazolyl schiff's bases on reaction with mercapto acetic acid and chloro acetylchloride, respectively under ultrasonication. All the compounds were characterized by spectral and elemental analyses.

